



# Polyethylene FT3200

## Description

FT3200 is a Low Density Polyethylene for Film Extrusion. Tubular Technology. Unmodified.

## Applications

FT3200 is recommended for

Heavy-duty bags  
Shrink film

Construction films  
Agricultural films

## Additives

FT3200 contains no additives.

## Special features

FT3200 is optimised to deliver:

Excellent shrink performance

## Physical Properties

Property	Typical Value	Test Method
	Data should not be used for specification work	
Density	920 kg/m <sup>3</sup>	ISO 1183
Melt Flow Rate (190 °C/2,16 kg)	0,25 g/10min	ISO 1133
Melting temperature	110 °C	ISO 11357-3
Vicat softening temperature A,	92 °C	ISO 306

## Film Properties

Film properties are measured on 125 µm sample produced on a 60 mm W&H extruder with IBC cooling at BUR = 1:2,5.

Property	Typical Value	Test Method
	Data should not be used for specification work	
Dart Drop	500 g	ISO 7765-1
Puncture resistance	Energy to break Force	7 J 170 N ASTM D 5748
Tensile Strain at Break	MD	400 % ISO 527-3
Tensile Strain at Break	TD	600 % ISO 527-3
Tensile Strength	MD	25 MPa ISO 527-3
Tensile Strength	TD	26 MPa ISO 527-3
Tensile Modulus <sup>1</sup>	MD	160 MPa ASTM D 882-A
Tensile Modulus	TD	160 MPa ASTM D 882-A
Tear resistance (Elmendorf)	MD	4 N ISO 6383/2
	TD	7 N
Coefficient of friction (Dynamic)	0,7	ISO 8295



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<sup>1</sup> MD = machine direction, TD = transverse direction.

## Storage

**FT3200** should be stored in dry conditions at temperatures below 50°C and protected from UV-light. Improper storage can initiate degradation, which results in odour generation and colour changes and can have negative effects on the physical properties of this product.

More information on storage is found in our "Safety data sheet" / "Product safety information sheet".

## Safety

Please see our "Safety data sheet" / "Product safety information sheet" for details on various aspects of safety, recovery and disposal of the product. For more information, contact your Borealis representative. The product is not classified as dangerous.

## Recycling

The product is suitable for recycling using modern methods of shredding and cleaning. In-house production waste should be kept clean to facilitate direct recycling.

## Related Documents

The following related documents are available on request, and represent various aspects on the usability, safety, recovery and disposal of the product.

"Safety data sheet" / "Product safety information sheet"  
Statement on chemicals, regulations and standards  
General statement on compliance to food contact regulations



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**Disclaimer**

**The product(s) mentioned herein are not intended to be used for medical, pharmaceutical or healthcare applications and we do not support their use for such applications.**

To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication, however we do not assume any liability whatsoever for the accuracy and completeness of such information.

**Borealis makes no warranties which extend beyond the description contained herein. Nothing herein shall constitute any warranty of merchantability or fitness for a particular purpose.**

**It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose. The customer is responsible for the appropriate, safe and legal use, processing and handling of our products.**

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